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RemarksA. Period For Reply

A shortened statutory period was set to expire three months from the Office Action of June 29, 2005. June 29, 2005 plus three months was September 29, 2005. September 29, 2005 plus one month was Saturday, October 29, 2005. This paper is being filed on or before Monday, October 31, 2005 with a petition for an extension of time for one month.

B. Status

The Office Action was nonfinal.

C. Disposition Of Claims

Claims 8 and 32 are pending.

D. Application Papers

The drawings were objected to in the Office Action, and this objection is discussed below.

E. Priority under 35 U.S.C. §§ 119 and 120

This case does not claim foreign priority.

As to domestic priority, this case claims domestic priority under sections 119 and 120.

F. Basis for amendments (if any) to the claims and basis for new claims (if any)

Basis for the amendment to claim 32 is claim 32 itself.

G. The Office ActionG.1. Section 1 of the Office Action

In section 1 of the Office Action, 25 inventions were

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set out and restriction to one of the 25 inventions was required.

G.2. Section 2 of the Office Action

Section 2 of the Office Action provided that the inventions were distinct.

G.3. Section 3 of the Office Action

Section 3 of the Office Action provided that the restriction for examination purposes was proper.

G.4. Section 4 of the Office Action

Section 4 of the Office Action is requiring applicant to affirm the provisional election with traverse of invention VII, claims 8 and 32. Applicant hereby affirms such election. (Claims 1-7, 9-31, and 33-54 have been canceled.)

G.5. Section 5 of the Office Action

Section 5 of the Office Action objects to the drawings on the basis that there is no Figure 31 as recited in the specification. Corrected drawing sheets were required.

The attention of the Patent Office is respectfully drawn to Transmittal dated April 5, 2004 and the Preliminary Amendment therein having specification amendments and replacement drawings. Pursuant to the Office Action of April 27, 2004, all sections of the April 5, 2004 Preliminary Amendment were accepted except the claim amendments, and only the corrected section (the claim amendments) needed to be resubmitted.

G.6. Section 6 of the Office Action

Section 6 of the Office Action objected to the drawings

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under 37 CFR 1.83(a) that provides that the drawings must show every feature of the invention specified in the claims. On this basis, the Office Action provided that the meteorological sensor must be shown or the feature canceled from the claims.

The feature of the meteorological sensor has been canceled from the claims. Please see claim 32.

G.7. Section 7 of the Office Action

Section 7 of the Office Action rejects claim 32 under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. It is respectfully submitted that the standard is one of "ordinary skill," not "one of even the slightest knowledge of electronics" as set forth in section 8 of the Office Action.

Claim 32 has been amended. Claim 32 now reads:

32. An intelligent vehicle according to claim 8, and further including means for dynamically changing on-line posted speed limits in the vehicle as weather, visibility, and road conditions warrant.

Basis for claim 32 is provided in the specification as follows:

[0143] Vision enhancement is implemented through in-vehicle and on-person sensors capable of imaging and sensing the outside scene, dynamically overlaying the sensed and imaged scene on the front windshield, and providing information through interactive voice response.

[0239] Another intelligent vehicle for interacting with a traffic complex includes a continuous, dynamic in-vehicle display of the local speed limit and, optionally, a control to govern to the local speed limit a maximum speed of the vehicle.

[0244] Another intelligent vehicle for interacting with a traffic complex includes an automatic vision enhancement system capable of imaging and sensing an outside scene, dynamically overlaying said scene on a front windshield, on in-vehicle displays, on glasses worn by a person; and an interactive voice response communication system; wherein the automatic vision enhancement system includes active and passive technologies including global positioning systems and regular charged-couple-device cameras that are employed

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for visual enhancement when an external light source is available to extend a visibility band of said cameras.

[0250] Another intelligent vehicle for interacting with a traffic complex includes radar and sensor-based systems; and an interactive voice response communication systems; whereby sensed and imaged scenes, including images invisible to the naked eye, are converted into dynamic, visible and audible displays for providing information and sight.

[0263] Another intelligent vehicle for interacting with a traffic complex includes a meteorology sensor including means for predicting weather conditions and further including means for automatically and dynamically changing on-line posted speed limits in the vehicle as weather, visibility, and road conditions warrant.

[0270] Another intelligent vehicle for interacting with a traffic complex includes means for enhancing dynamic vision of an imaged and scanned scene when warning signals are received, with said means including means for automatically zooming in on an area of danger.

[0275] Another intelligent vehicle for interacting with a traffic complex includes means for producing an over-laid dynamic map of an immediate area using global positioning satellites and land information systems.

[0090] to [0161] as to the vehicle in general.

In light of the above, it is respectfully submitted that claim 32, as amended, now complies with the enablement requirement.

G.9. Section 9 of the Office Action

Section 9 of the Office Action set forth 35 U.S.C. 102(b).

G.10. Section 10 of the Office Action

In section 10 of the Office Action, claim 8 was rejected under 35 U.S.C. 102(b) as being anticipated by Vaughn [U.S. 5,485,161]. The Office Action states that for claim 8, the vehicle taught by Vaughn provides the current posted speed limit on a display in the vehicle using GPS data. This rejection is respectfully traversed on the basis of applicant's discussion in section I. below.

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G.11. Section 11 of the Office Action

In section 11 of the Office Action, it was stated that prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

G.12. Section 12 of the Office Action

Section 12 of the Office Action provides contact information with the Patent Office.

H. Applicant's discussionH.1. The Vaughn reference

The Vaughn reference discloses a GPS-map speed matching system for controlling the speed of a vehicle.

The Vaughn method does not allow for dynamically varying the maximum on-line speed limit according to current weather, visibility, and road conditions.

The maximum on-line speed limit of the Vaughn reference would not function where there is no GPS map (such as for new or unrecorded roads).

The Vaughn reference does not give the option to display the maximum on-line speed limit but not govern the vehicle speed.

The Vaughn reference teaches a centralized system.

H.2. Applicant's invention

Applicant's vehicle dynamically varies the maximum on-line speed limit according to current weather, visibility, and road conditions. "Dynamic" means "characterized by continuous change, activity, or progress."

Applicant's vehicle works wherever there is an on-line speed limit.

Applicant's vehicle does not require a remote data base

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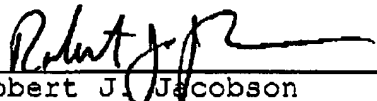
processing facility to determine the maximum on-line speed limit.

Applicant's vehicle employs a decentralized system.

I. Summary

Applicant respectfully submits that the present application is in condition for allowance. The Examiner is respectfully invited to make contact with the undersigned by telephone if such would advance prosecution of this case.

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Robert J. Jacobson
Reg. No. 32,419

Tel. No.: (651) 699-7900
Fax. No.: (651) 699-7901

650 Brimhall Street South
St. Paul, MN 55116-1511